

Figure 1

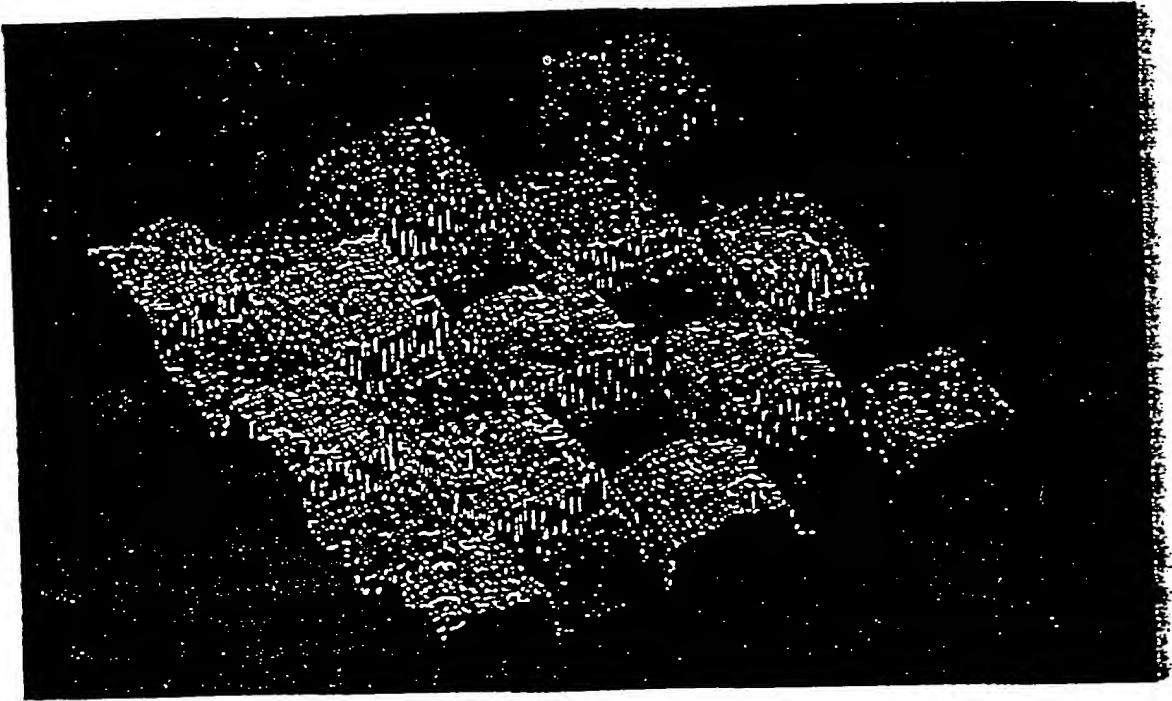


Figure 2

0001060 " TRACE 60

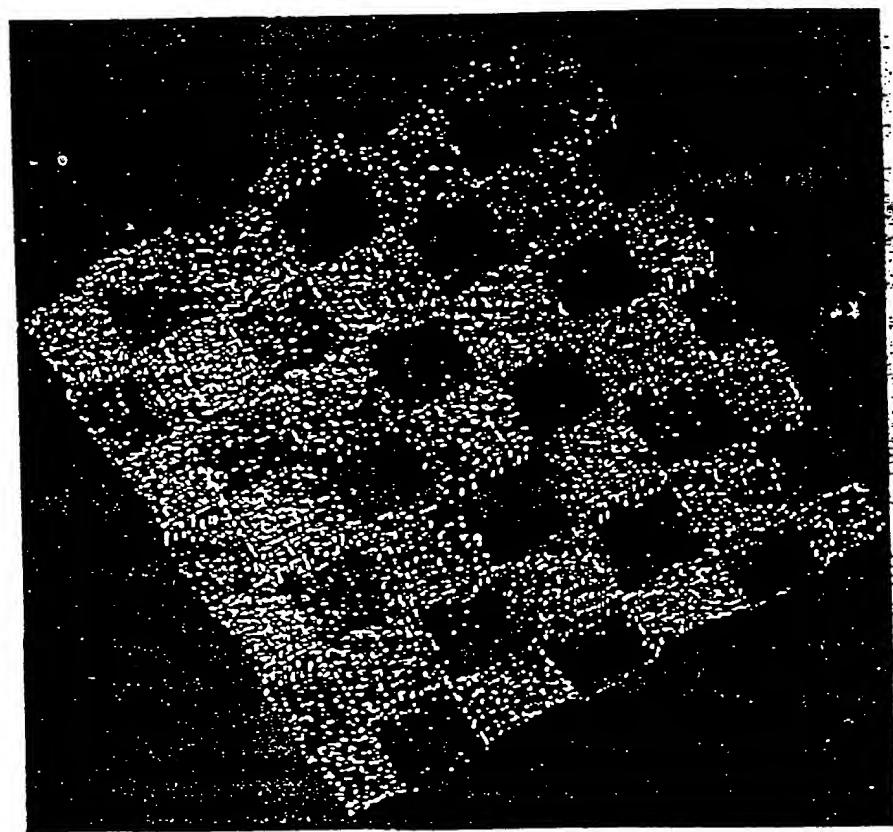


Figure 3

001060 " 152655 000

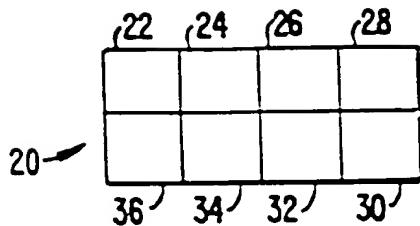


FIG. 4 A.

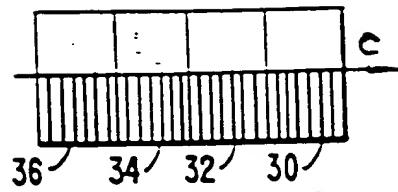


FIG. 4 B.

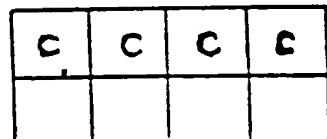


FIG. 4 C.

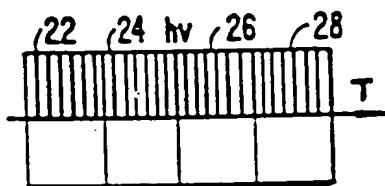


FIG. 4 D.

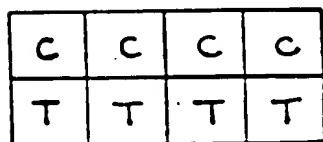


FIG. 4 E.

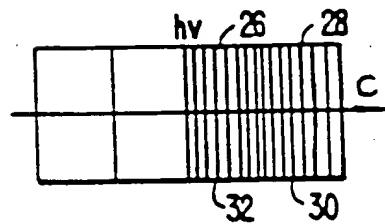


FIG. 4 F.

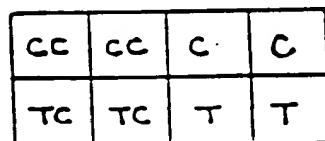


FIG. 4 G.

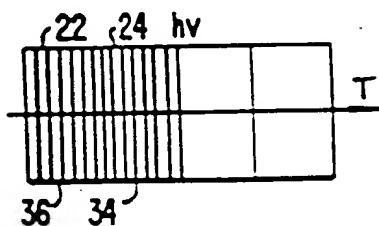


FIG. 4 H.

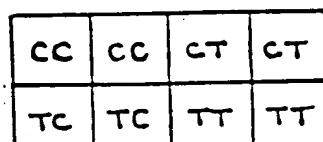


FIG. 4 I.

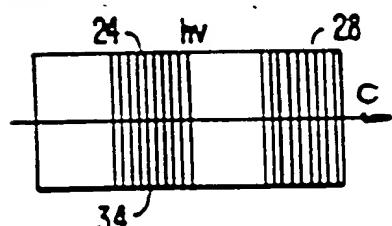


FIG. 4 J.

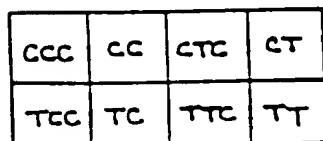


FIG. 4 K.

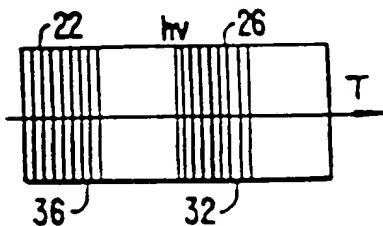


FIG. 4 L.

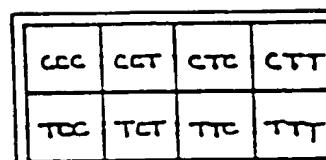


FIG. 4 M.

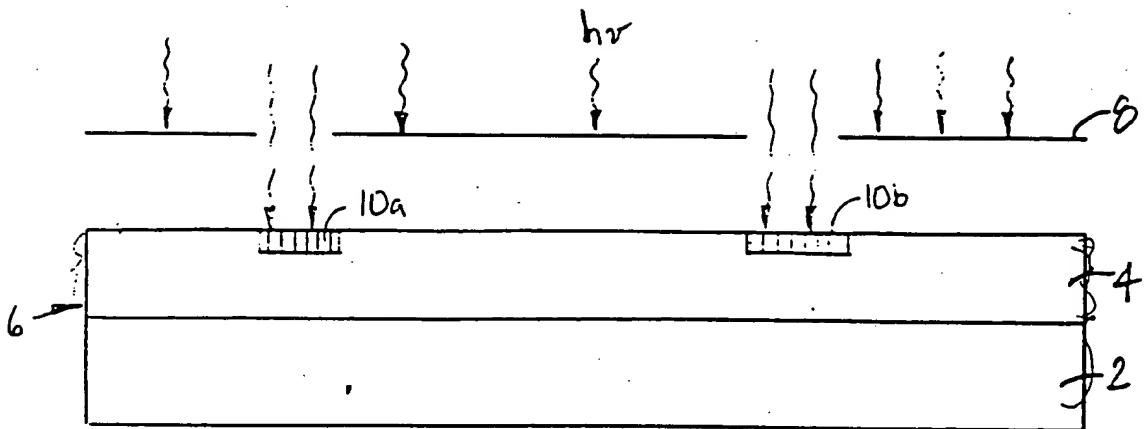


FIG. 5

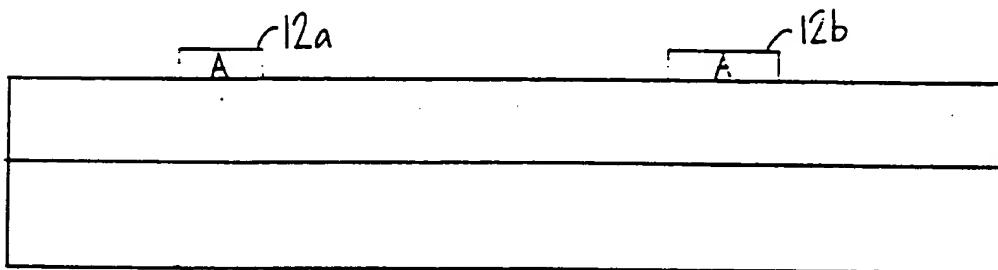


FIG. 6

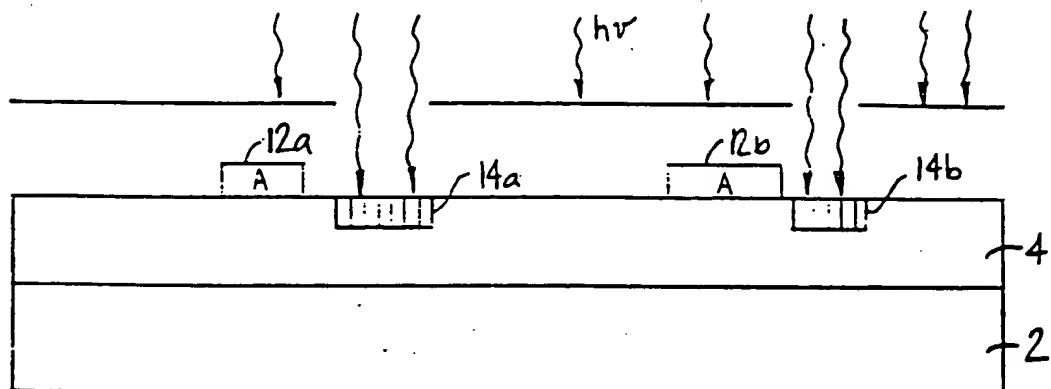


FIG. 7

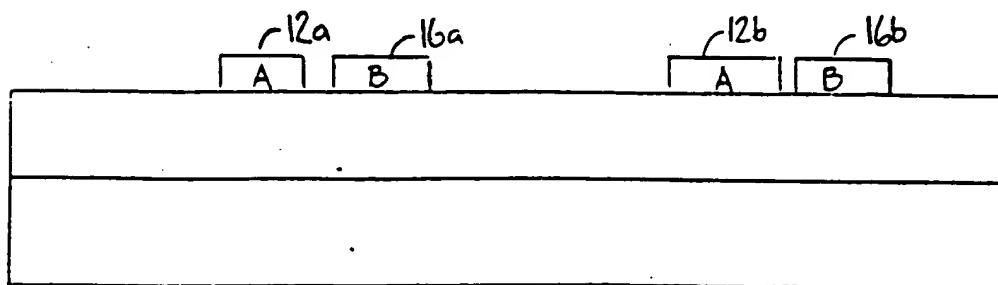


FIG. 8

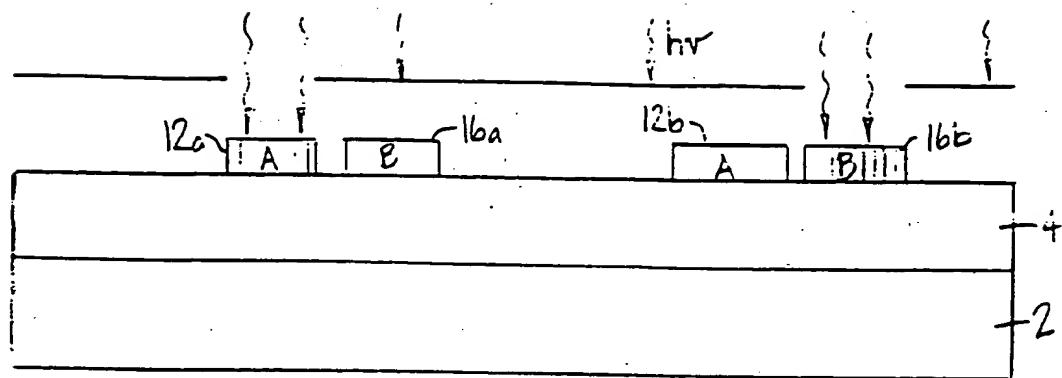


FIG. 9

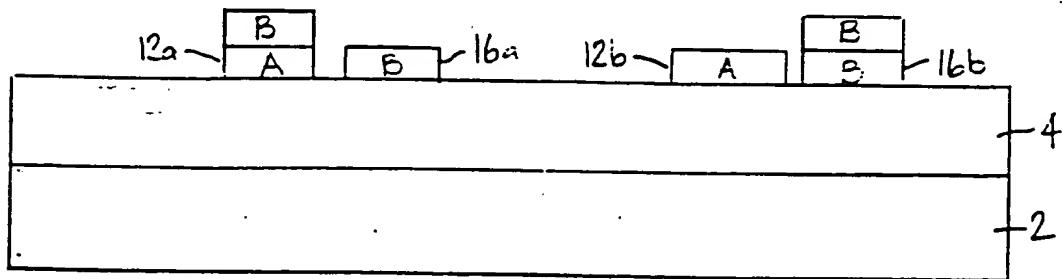


FIG. 10

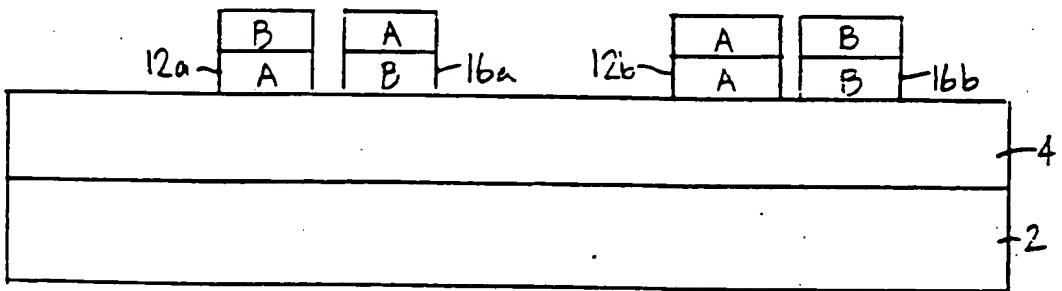


FIG. 11

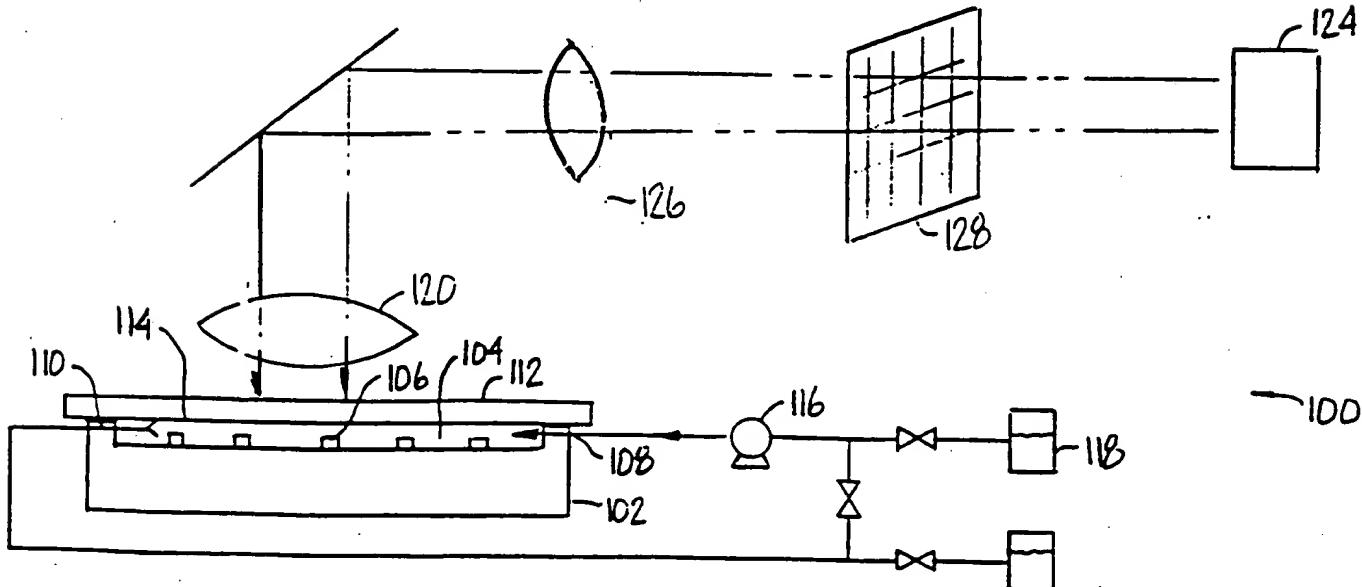


FIG. 12 A

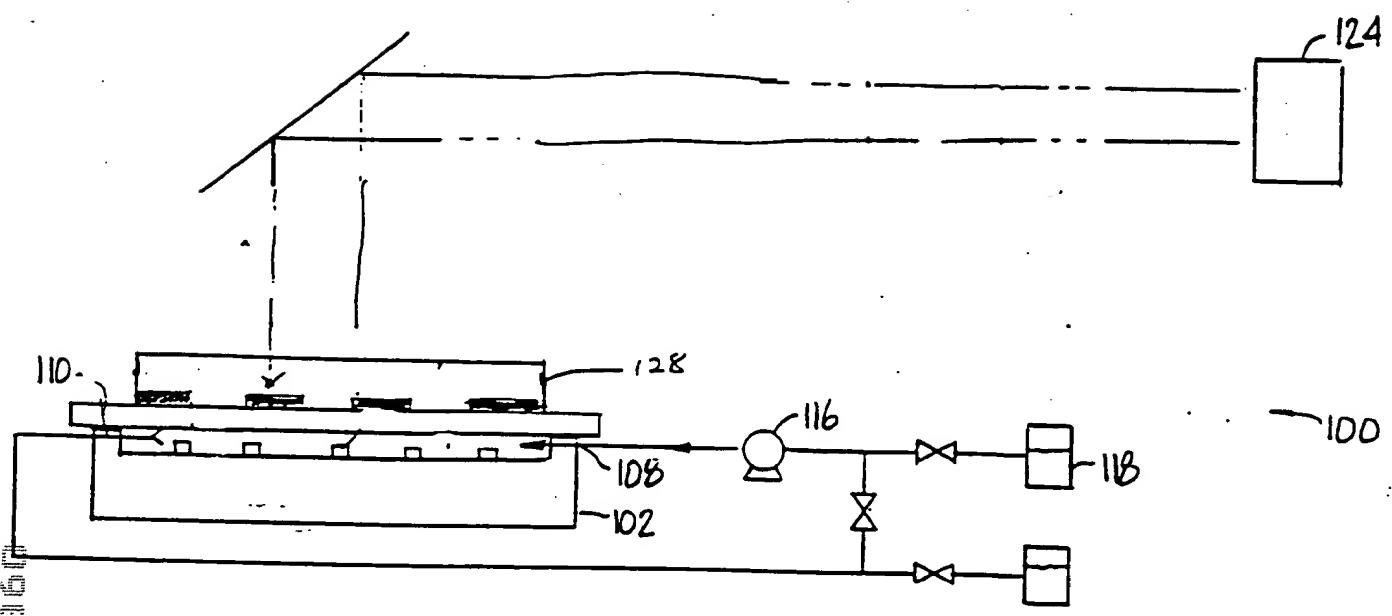


FIG. 12 B

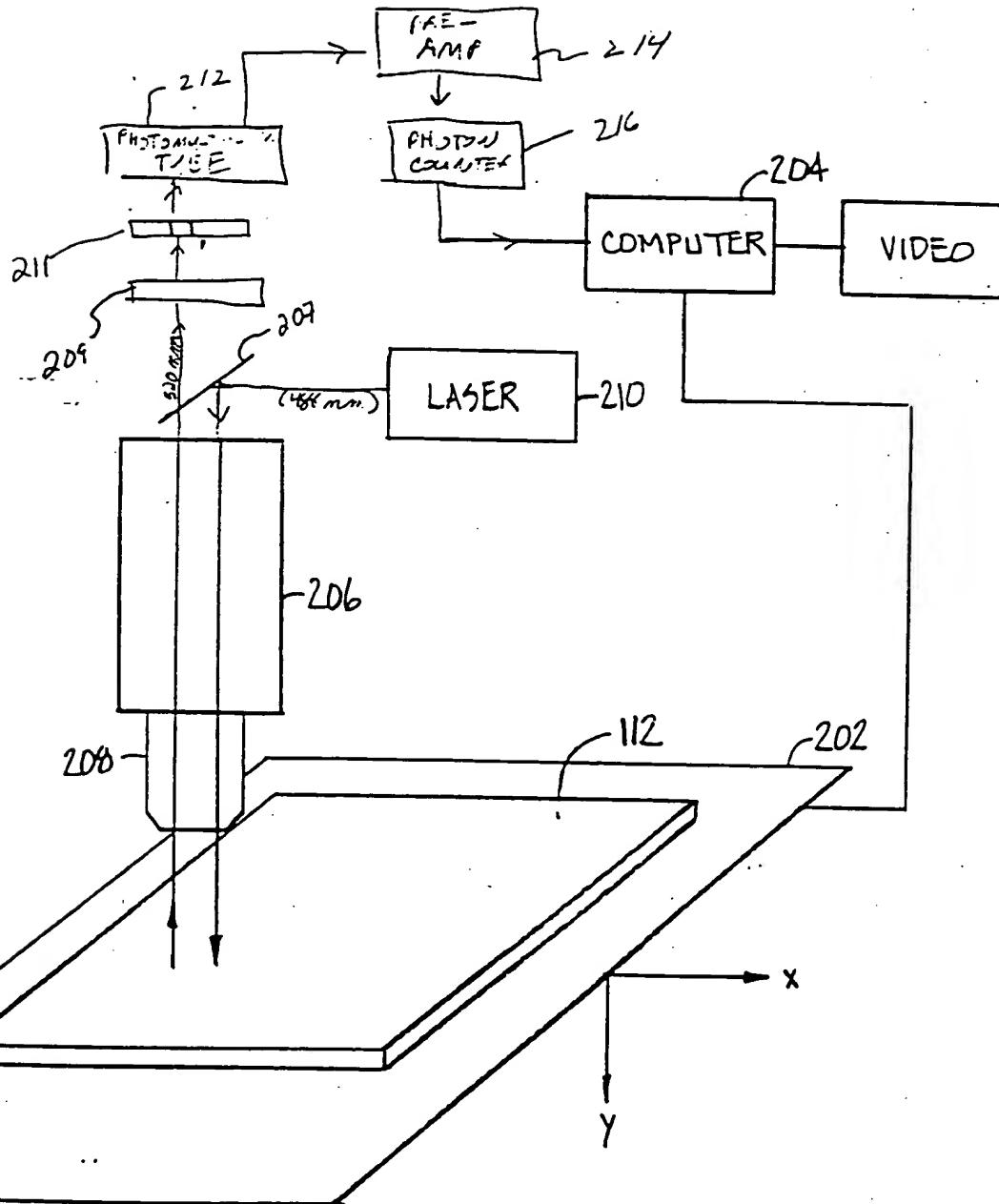


FIG. 13

卷之三

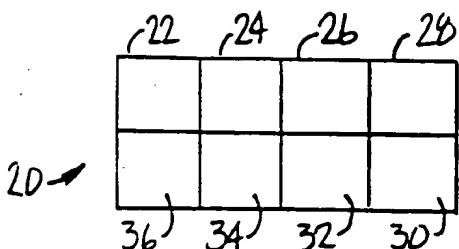


FIG. 14 A

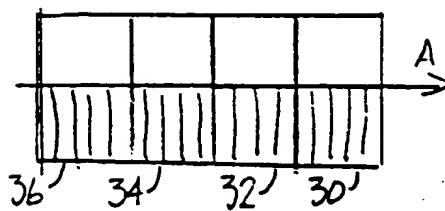


FIG. 14 B

A	A	A	A

FIG. 14 C

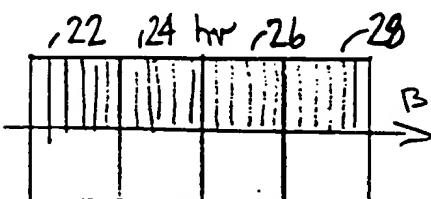


FIG. 14 D

A	A	A	A
B	B	B	B

FIG. 14 E.

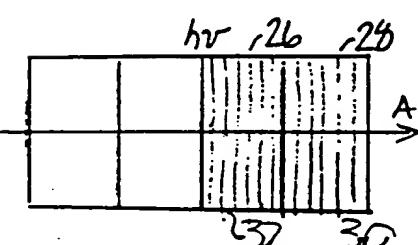


FIG. 14 F

AA	AA	A	A
BA	BA	B	B

FIG. 14 G

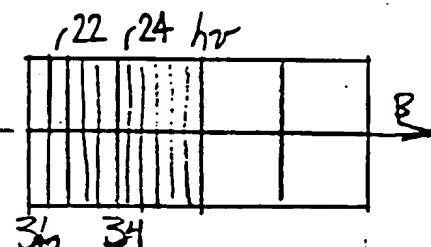


FIG. 14 H

AA	AA	AB	AB
BA	BA	BB	BB

FIG. 14 I

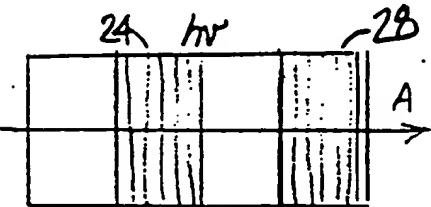
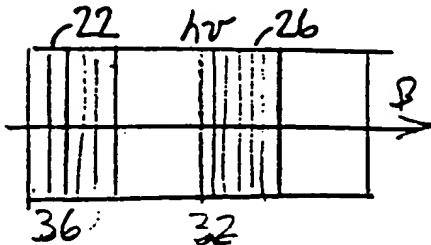


FIG. 14 J

AAA	AA	ABA	AB
BAA	BA	BBA	BB

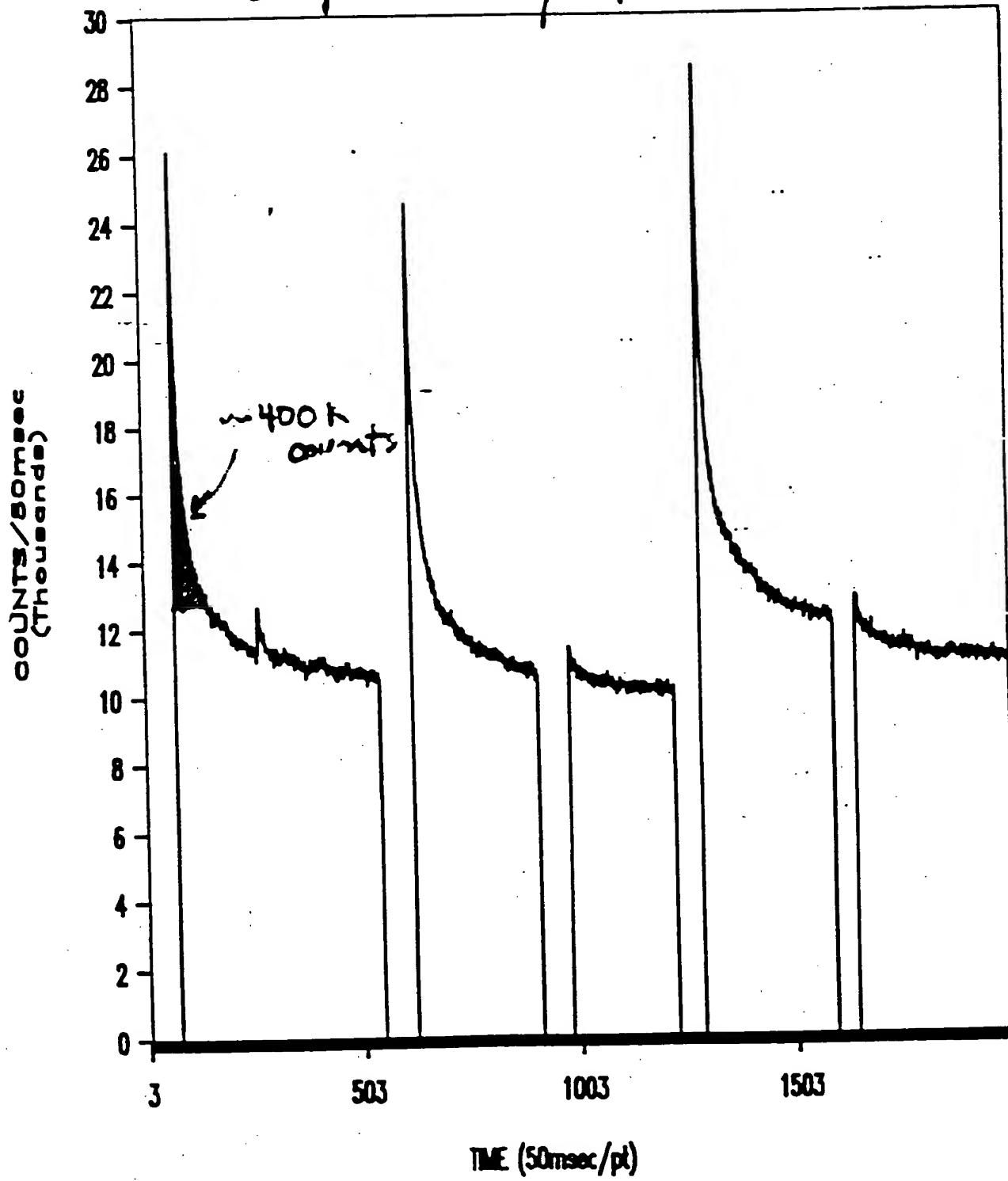


36 32

AAA	AAB	ABA	ABB
BAA	BAB	BBA	BBB

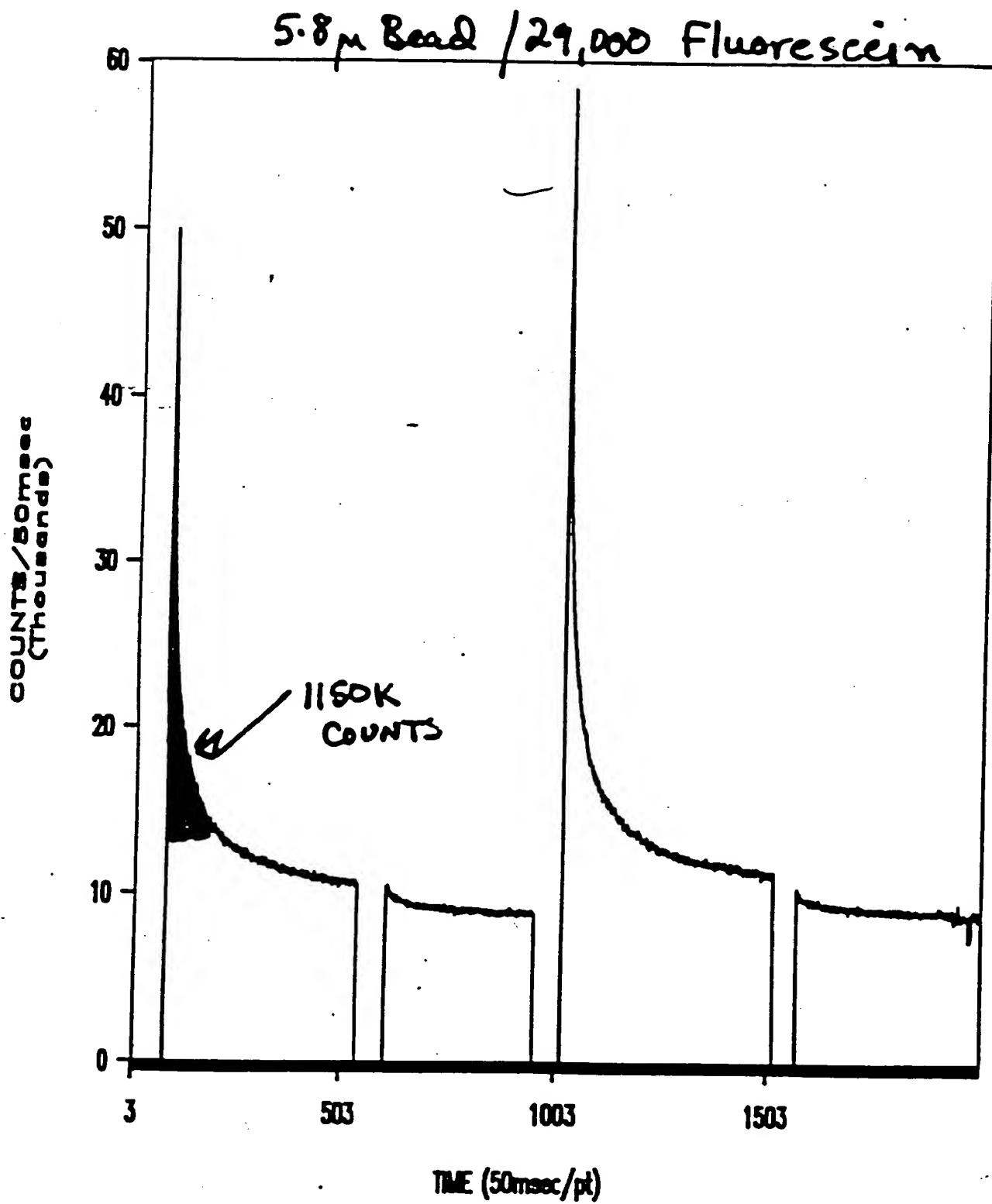
FIG. 15 A

5.9 μ m beads / 7,000 Fluorescein



$\sim 2 \times 10^{-6}$ chromophore / A^2

FIG. 15 B



$\sim 8 \times 10^{-6}$ chromophore / Å^2

000 T 00600 = TRAVERSE 60

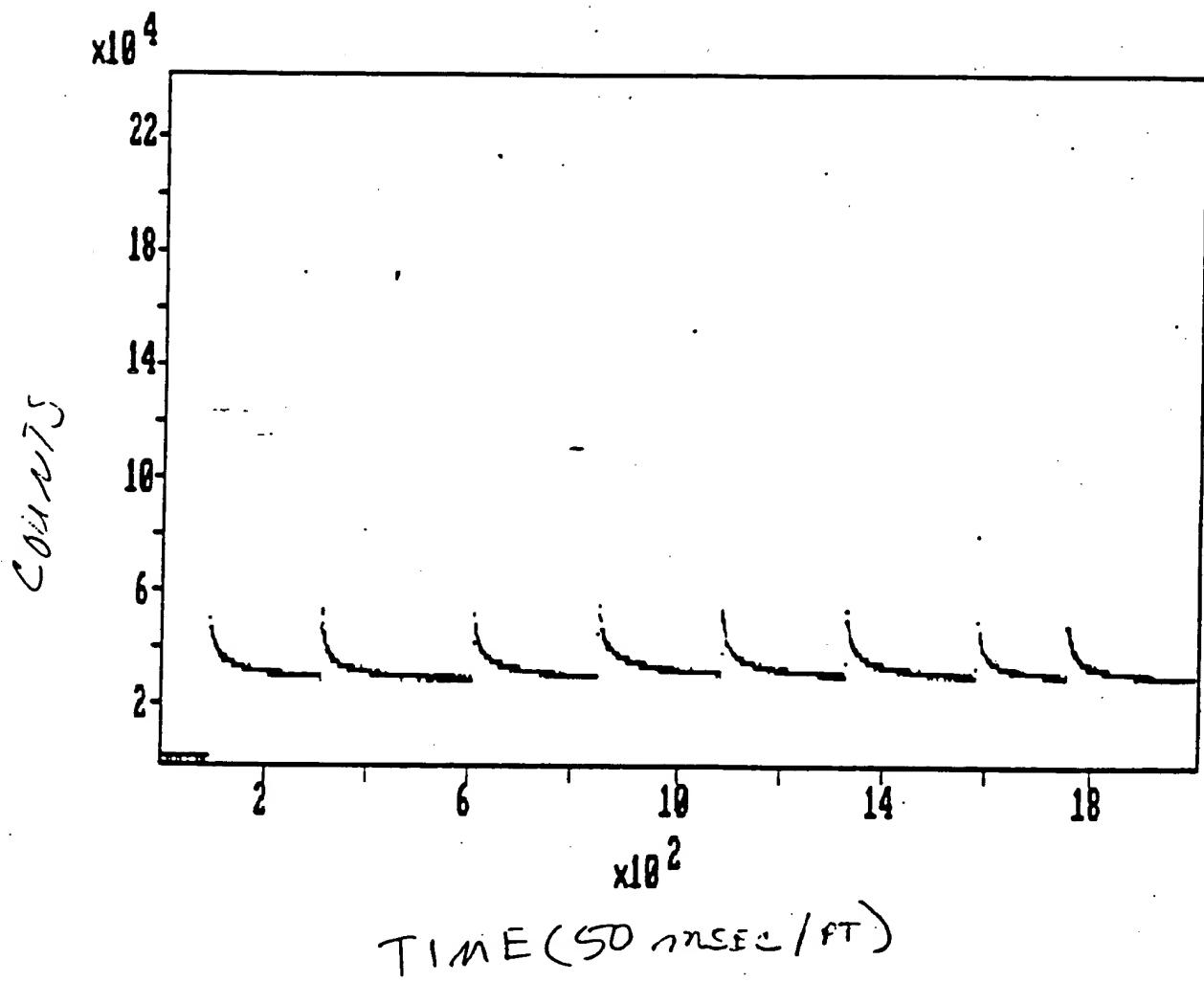


FIG. 16 A

007060-TRACES 960

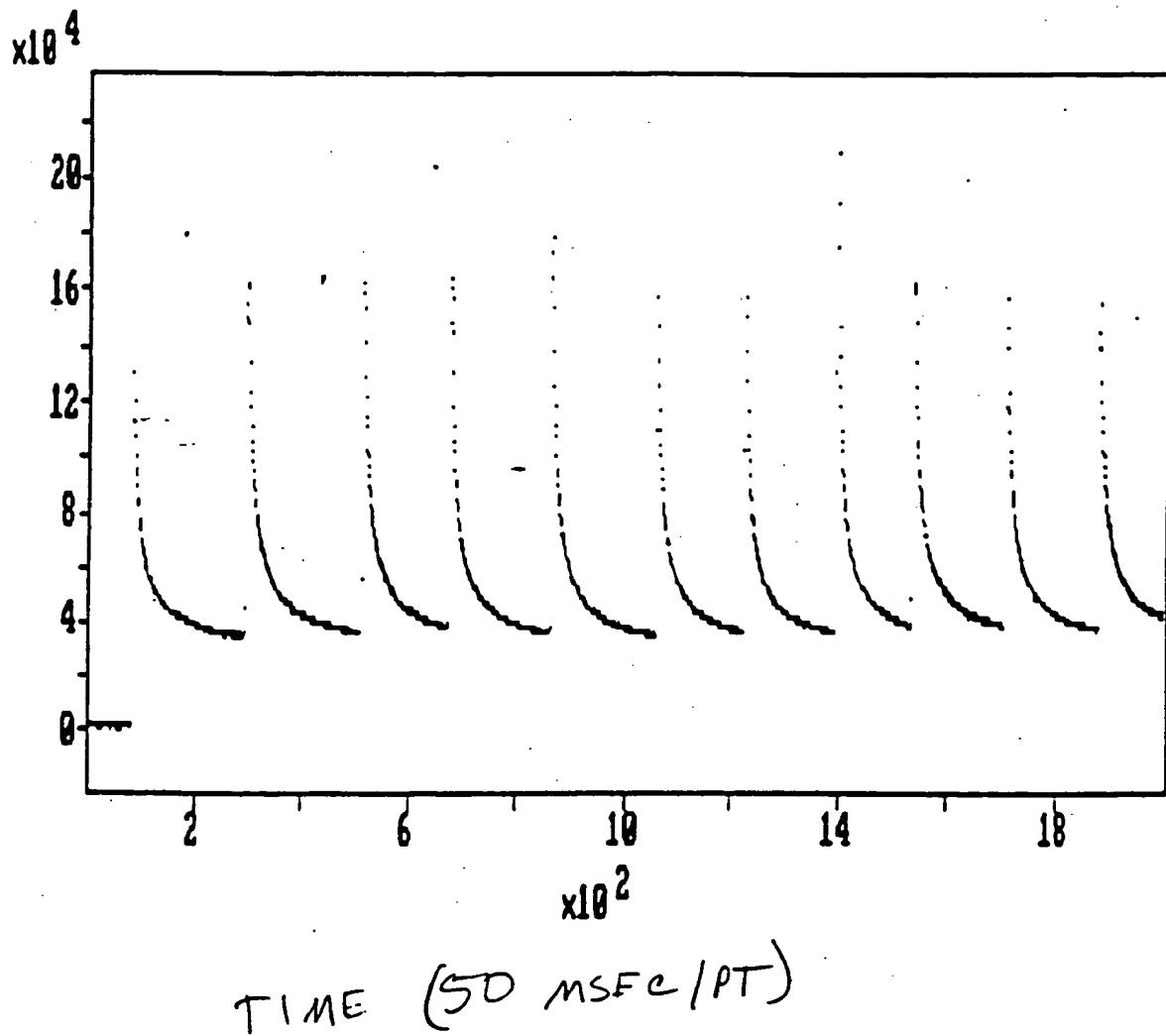
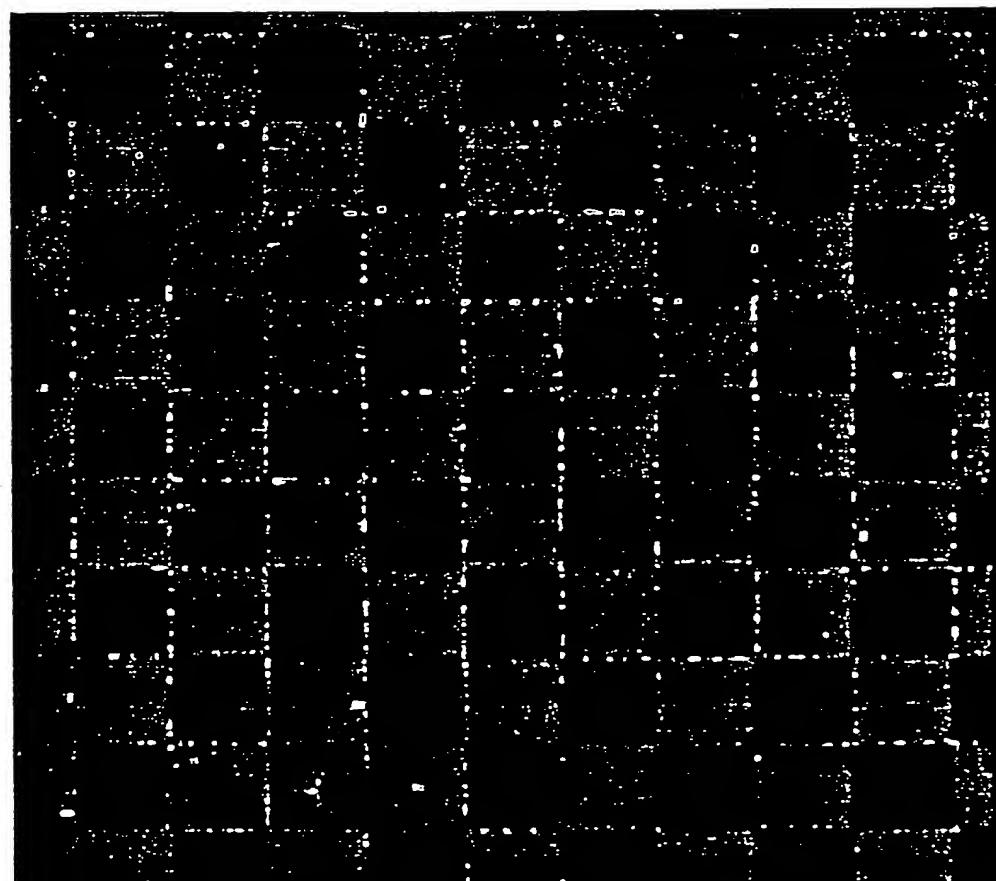


FIG. 16 B

FIG. 17 A



01-16-1998

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1023027
728188.3
322785.5
300672.6
285930.7
278559.7
271188.8
212221.1
197479.2
182737.3
138511.5

Mean:	285930.7
Var:	2.173242E+10
σ :	147419.2

FIG. 17 B

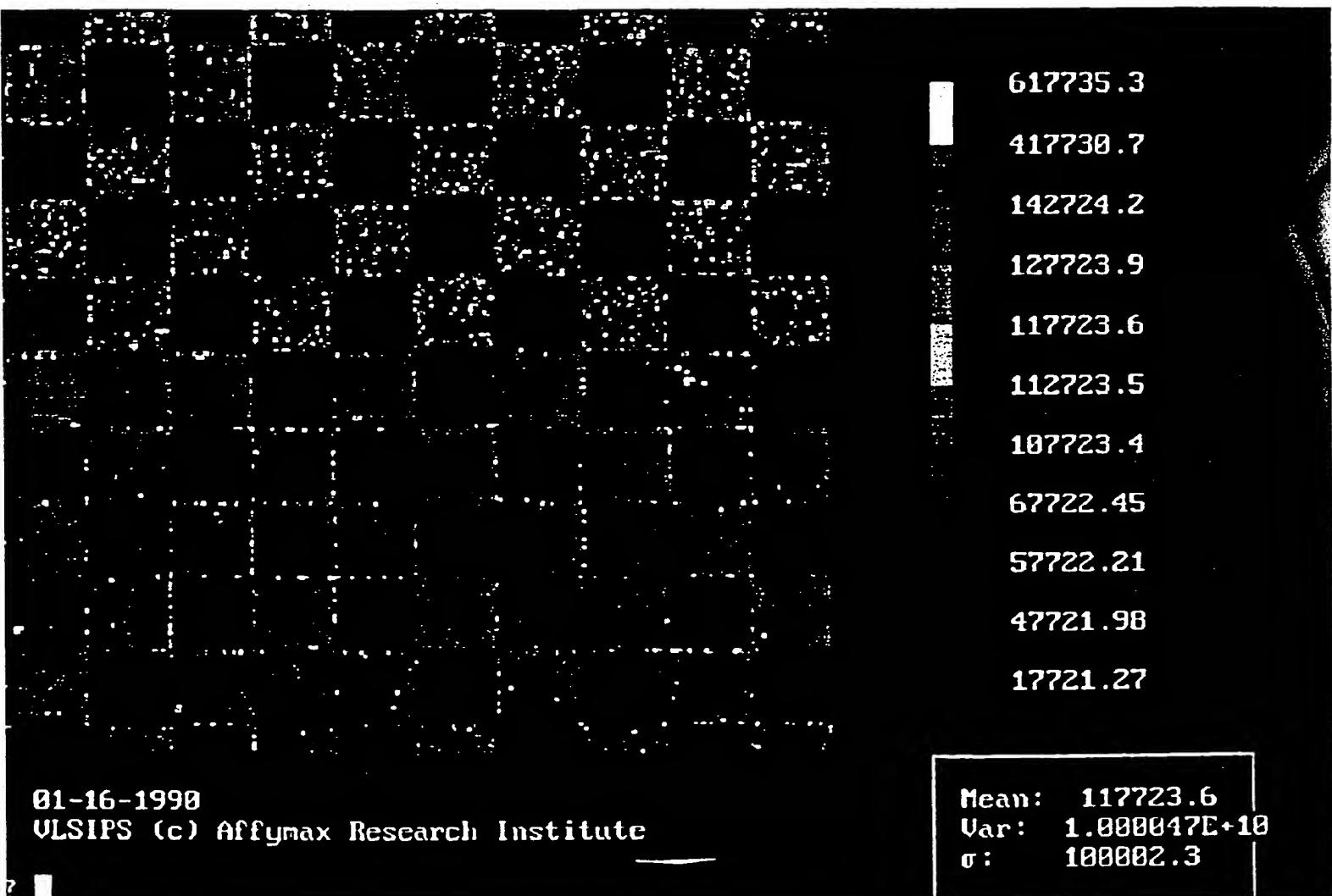
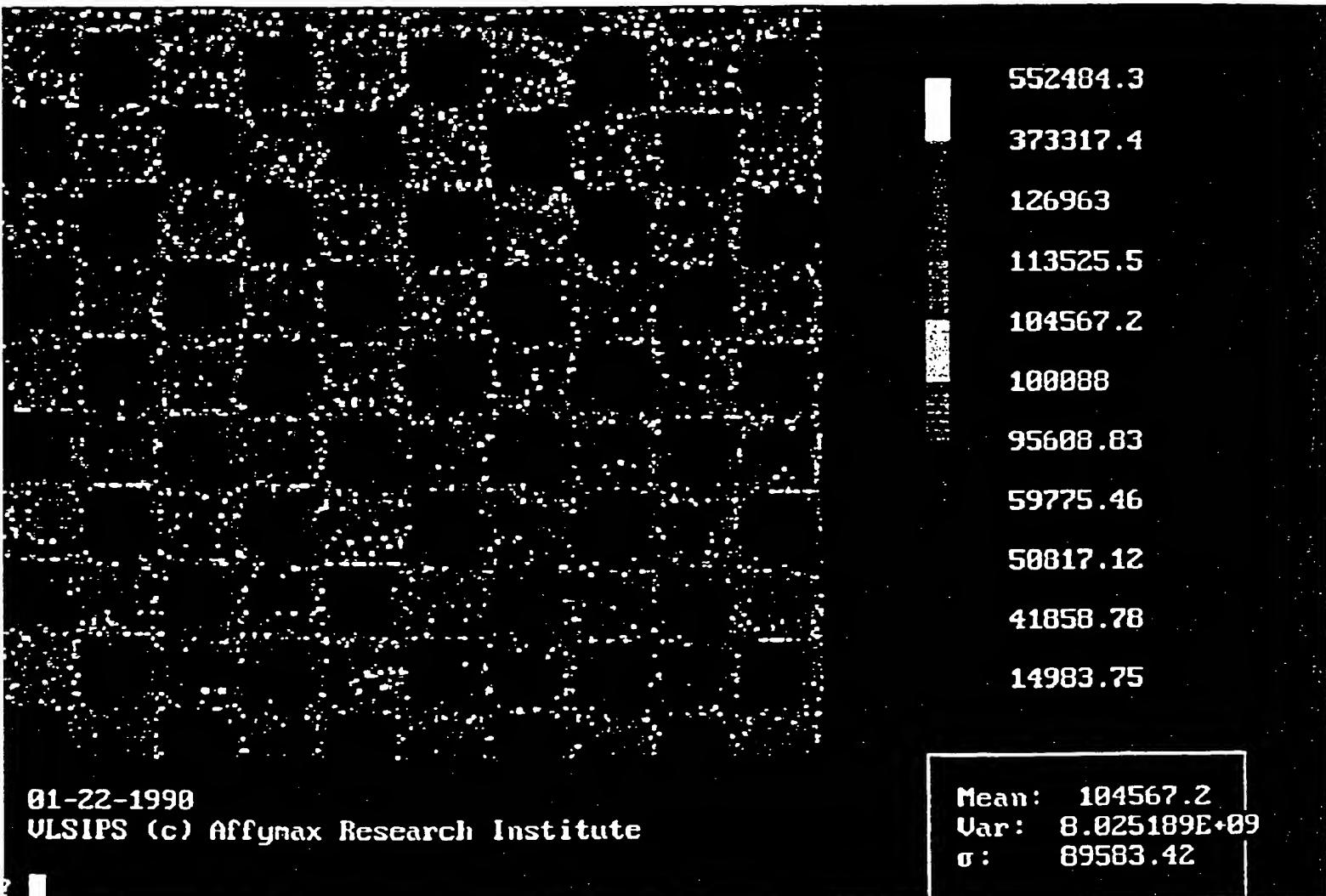
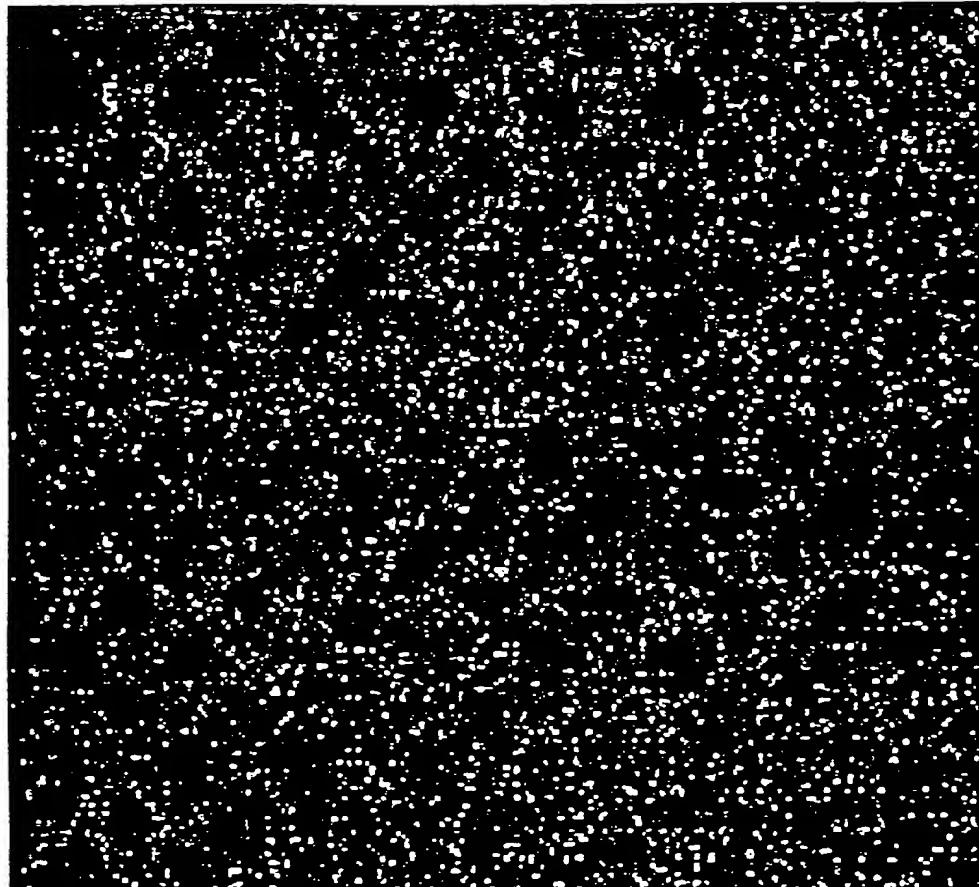


FIG. 17 C



01-22-1990
VLSIPS (c) Affymax Research Institute

FIG. 17 D



495246
335766.3
116481.9
104520.9
96546.92
92559.93
88572.94
56677.02
48703.04
40729.06
16807.12

01-22-1998
VLSIPS (c) Affymax Research Institute

Mean: 96546.92
Var: 6.358437E+09
 σ : 79739.8

FIG. 18

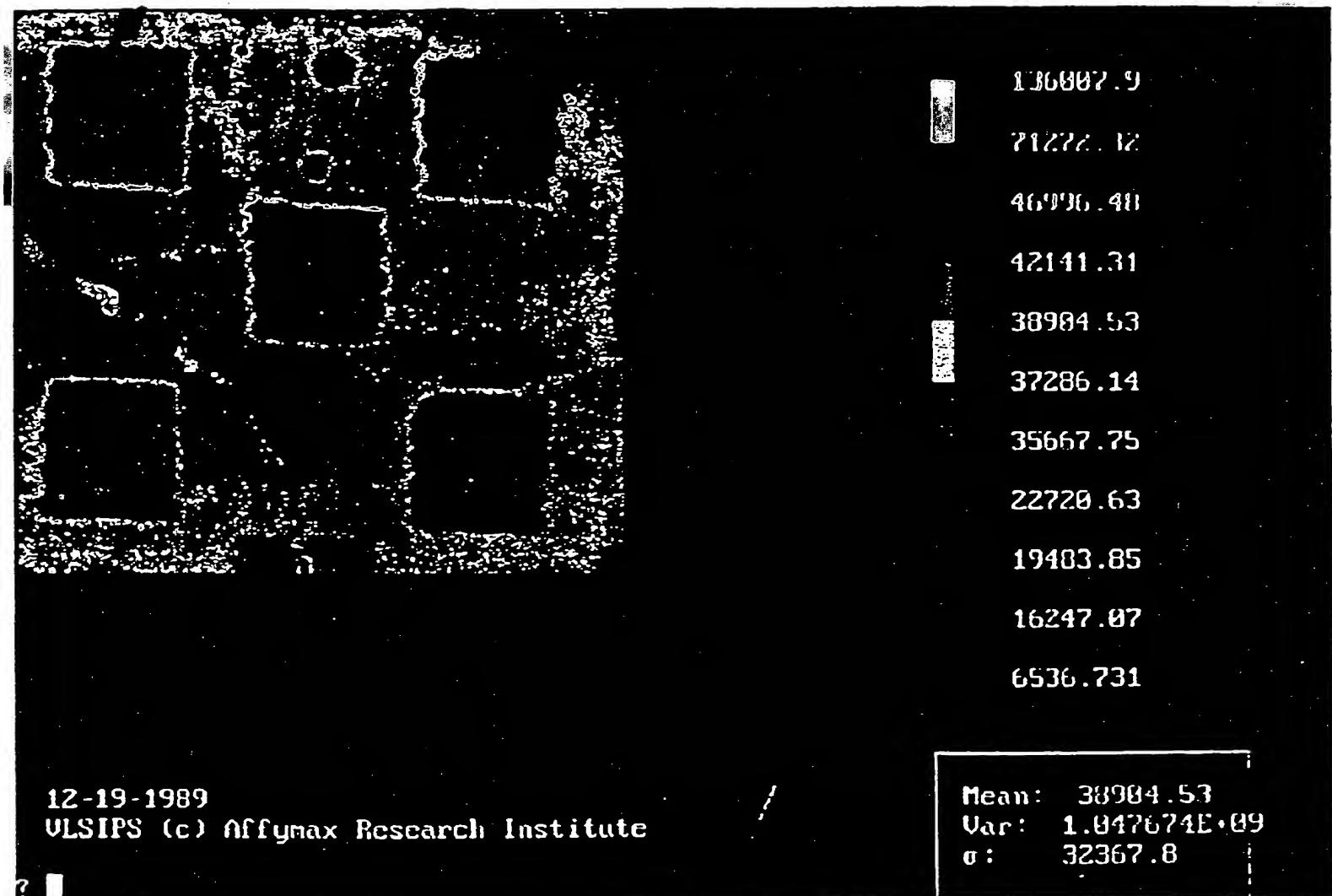
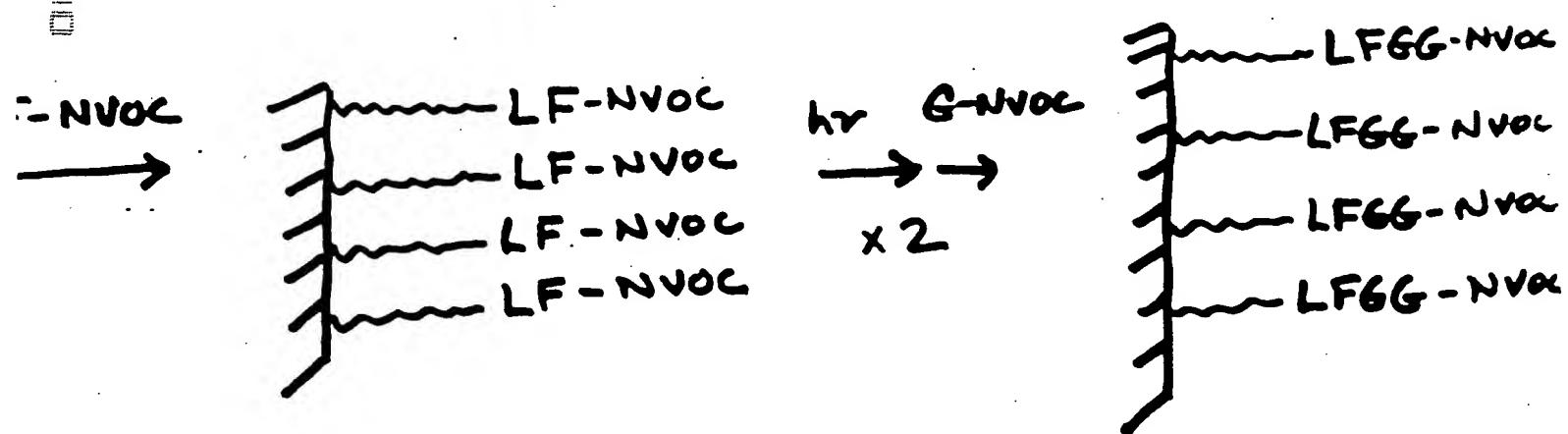
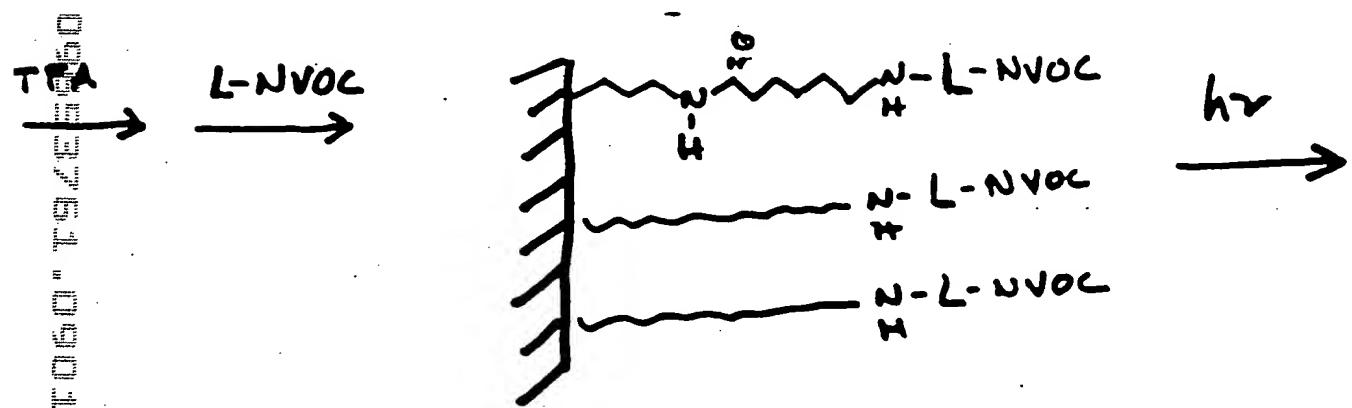
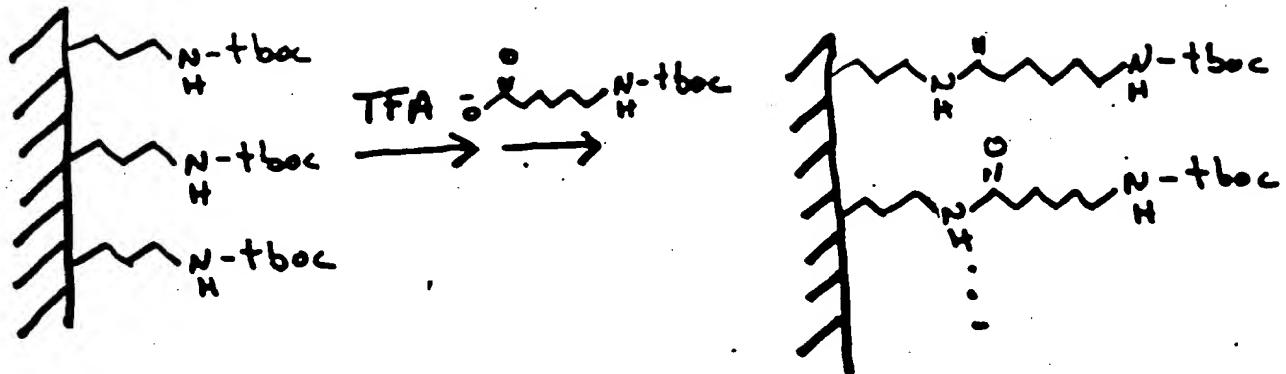


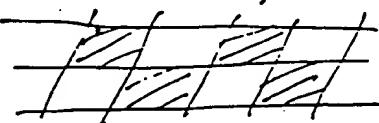
FIG. 19 A



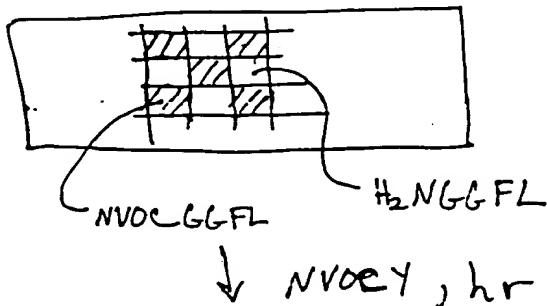
NVOC GGFL

FIG. 19 B

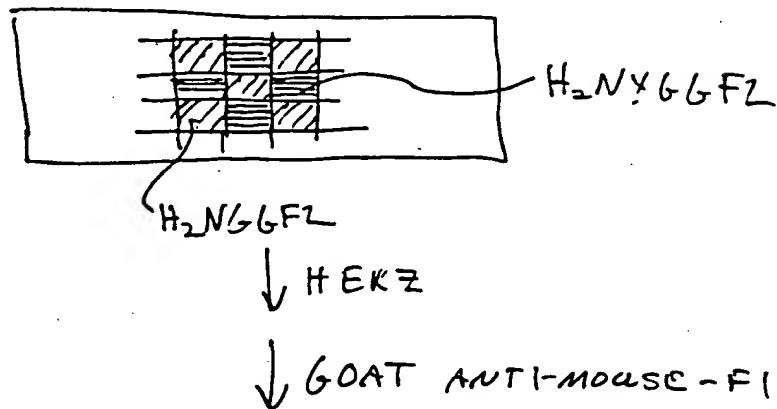
↓ hν



500 x 500 μm MASK



↓ NVOCY, hν



↓ GOAT ANTI-mouse-F1

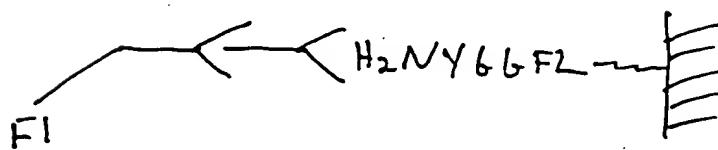
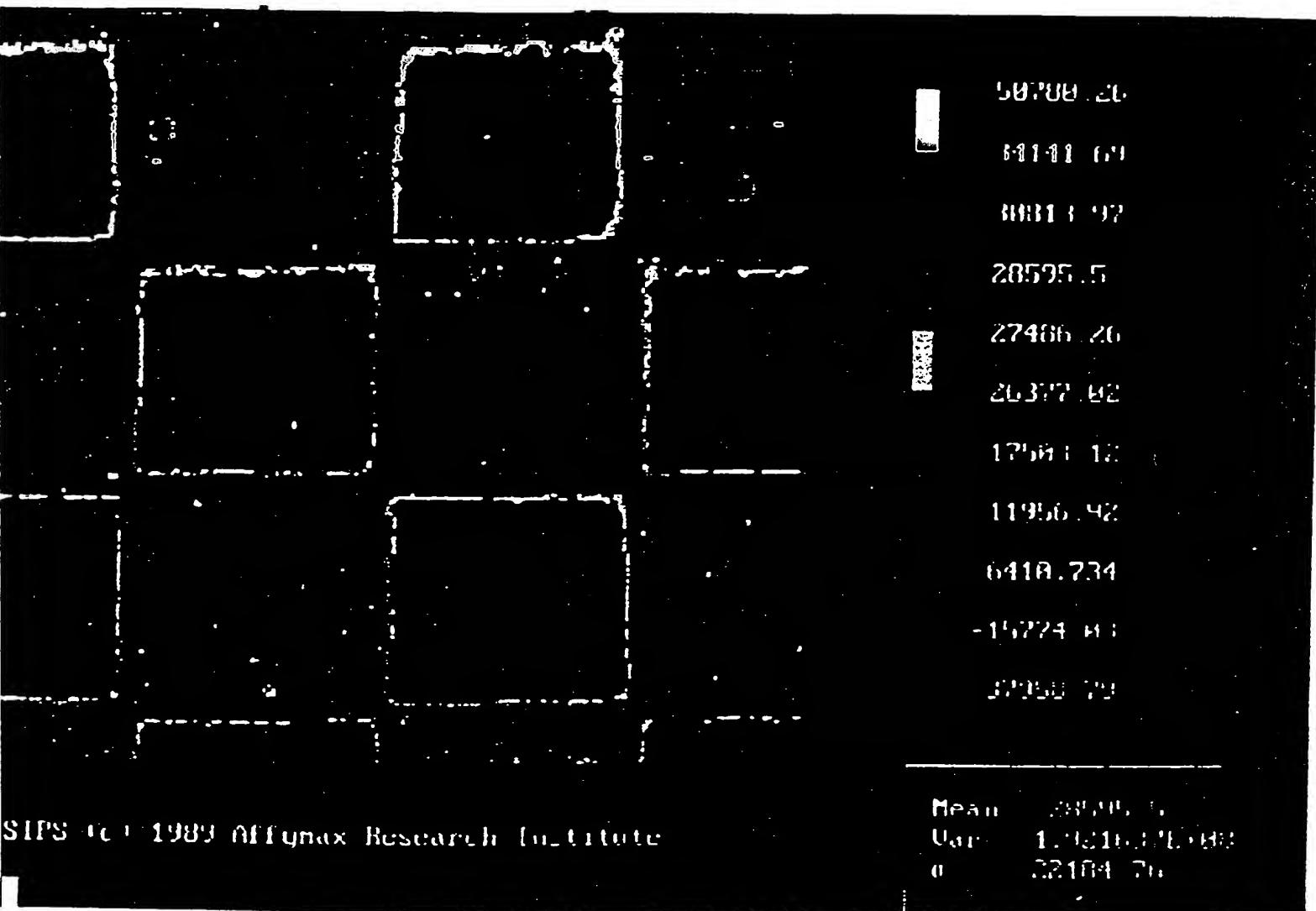
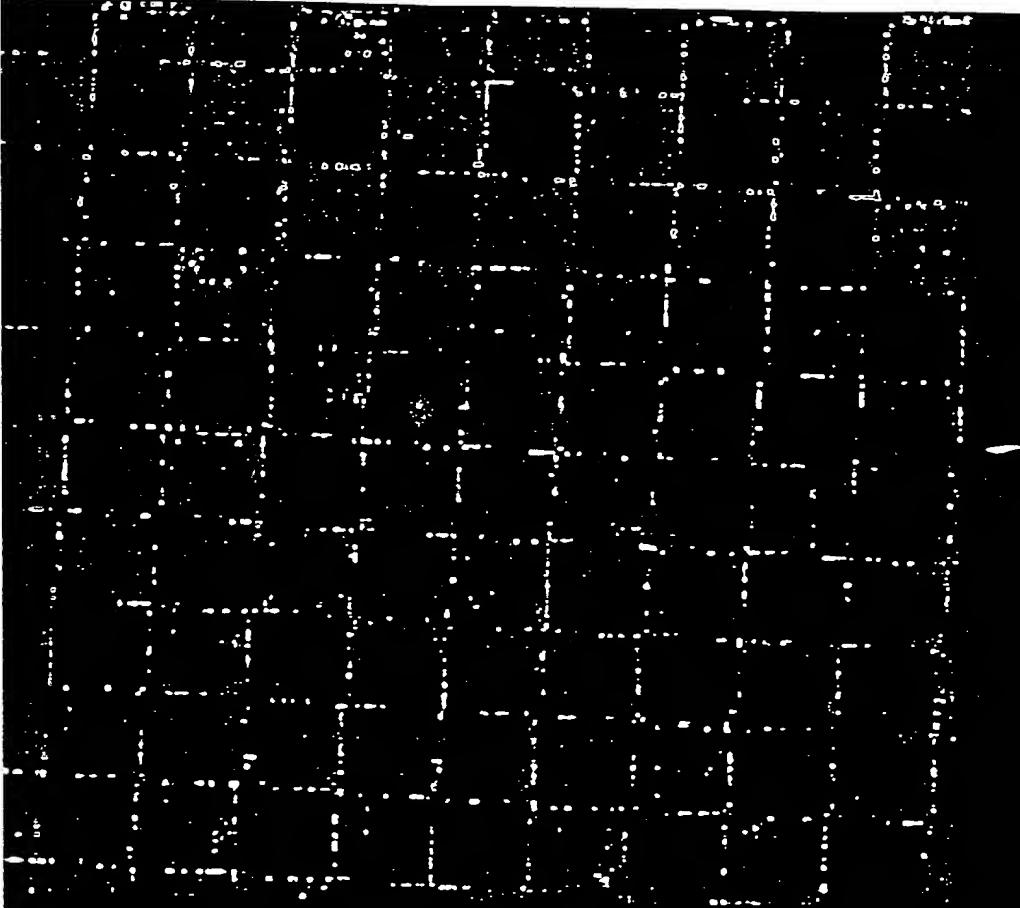


FIG. 19 C



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FIG. 19 D



879976.1
600504.3
216230.6
195270.2
181296.6
174309.8
167323
111428.7
97455.07
83481.48
41560.72

01-22-1990
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Mean:	181296.6
Var:	1.952612E+10
σ :	139735.9

FIG. 20

636588
428583.8
142577.9
126977.5
116577.3
111377.2
106177.1
64576.25
54176.03
43775.82
12575.18

02-28-1998
VLSIPS (c) Affymax Research Institute

Mean: 116577.3
Var: 1.081645E+10
 σ : 101002.1

FIG. 21

667348.3
453053
158397
142324.9
131610.1
126252.7
120895.3
78036.29
67321.52
56606.77
24462.47

91-22-1990
VLSIPS (c) Affymax Research Institute

Mean: 131610.1
Var: 1.148062E+10
 σ : 107147.6

P A S G

<u>LPGFL</u>	<u>LAGFL</u>	<u>LSGFL</u>	<u>LGGFL</u>
<u>FPGFL</u>	<u>FAGFL</u>	<u>FSGFL</u>	<u>FGGFL</u>
<u>WPGFL</u>	<u>WAGFL</u>	<u>WSGFL</u>	<u>WGGFL</u>
<u>YPGFL</u>	<u>YAGFL</u>	<u>YSGFL</u>	<u>YGGFL</u>

L

F

L set

W

Y

FIG. 22 A

P - a - a - g

<u>y_pGFL</u>	<u>y_aGFL</u>	<u>y_aGFL</u>	<u><u>YGGFL</u></u>
<u>f_pGFL</u>	<u>f_aGFL</u>	<u>f_aGFL</u>	<u>FGGFL</u>
<u>w_pGFL</u>	<u>w_aGFL</u>	<u>w_aGFL</u>	<u>WGGFL</u>
<u>y_pGFL</u>	<u>y_aGFL</u>	<u>y_aGFL</u>	<u>YGGFL</u>

Y

F

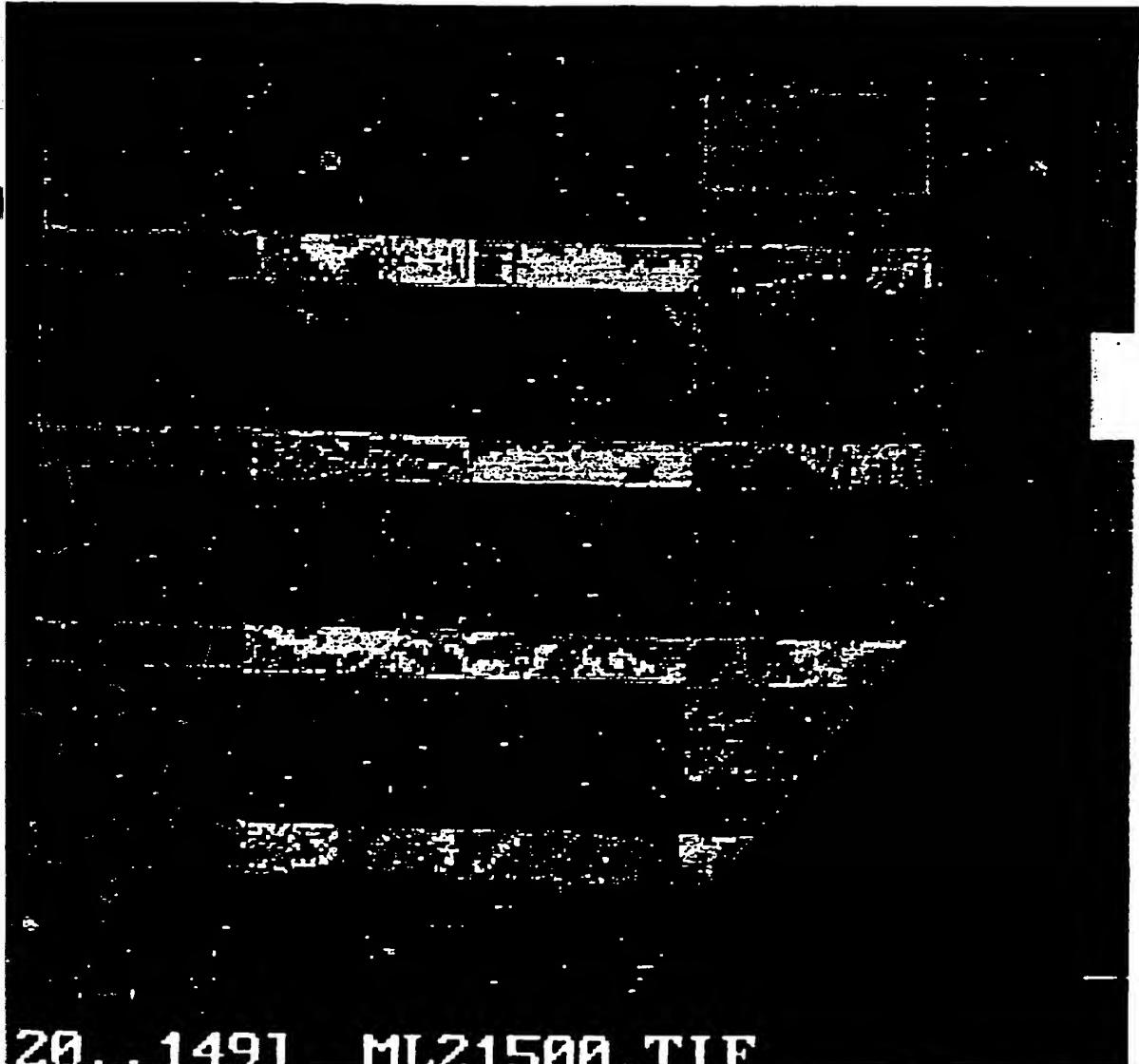
D set

W

Y

FIG. 22 B

FIG. 23

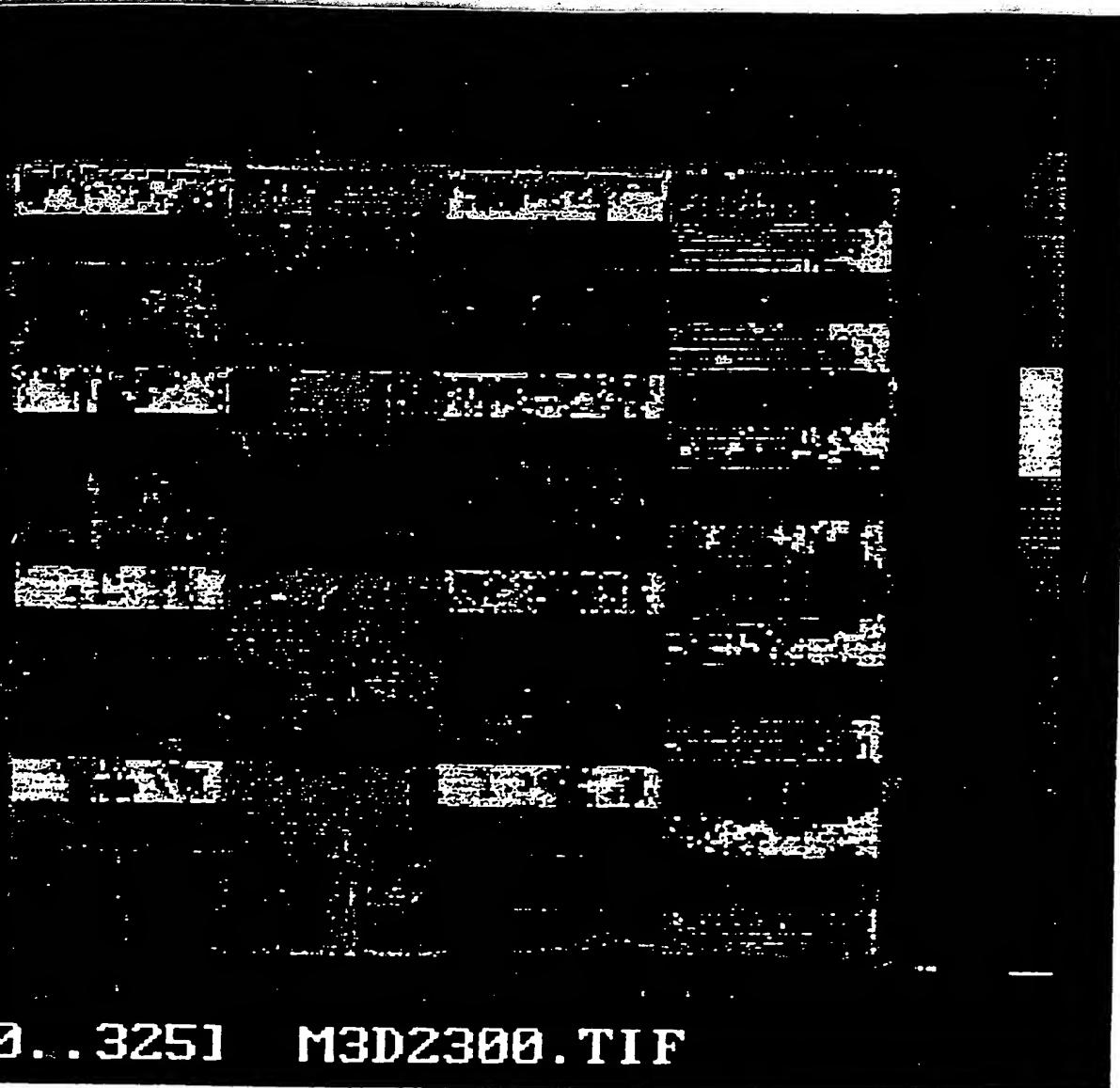


149,000

20,000

20..1491 MI21500.TIF

FIG. 24



325,000

40,000

40..325] M3D2300.TIF